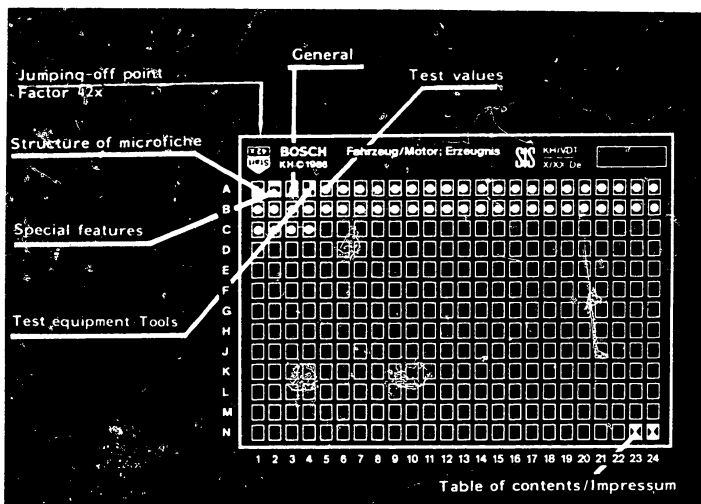
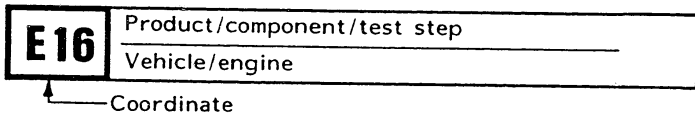


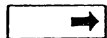
Structure of microfiche



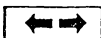
1. Read from left to right
2. Title of microfiche (appears on each coordinate)



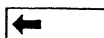
3. Limits of section



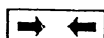
Beginning



Mid-section



End



One-page section

4. Purely vehicle-specific passages in the text are marked with a vertical bar.

5. Reference to relevant working steps in the test specifications, e.g. coordinate C6.

C6

A1

Test specifications



1. Special features:

Testing can only be carried out dynamically on the vehicle in question.

The testing procedure is adapted to simulation of the lamp load with mean value lamps.

The appropriate circuit diagrams of the magneto system are shown next to the test specifications.

This microcard replaces the paper test specifications

W - 212/2001, .. 2002 1rst edition

W - 212/2050 1rst edition

A2

Special features

Breakerless magneto generators



2. General

- Set the air gap between the iron cores of the ignition/generator armature and the flywheel to 0.35 mm.
- Simulate test load with mean-value lamps.

Example of the determination of a mean-value lamp:
A voltage of 6.7 V is applied to a commercially-available 6 V 35 W lamp (for example), and after approx. 1 minute the current is measured. The current value is multiplied by the voltage.

The value obtained should lie at $35 \text{ W} \pm 1\%$.

With 12 V lamps, the voltage to be applied is 13.5 V.



3. Test equipment and tools

Multimeter, e.g. Electric tester	ETE 014.00	0 681 ...
Feeler guage	commercially available	0.1 ... 1.0 mm
Mechanical or electronic tachometer	commercially available	

Flywheel puller, see table

Flywheel puller EFEP..	For magneto generators 0 212 ..
323	199 004, .. 005
Flywheel puller KOLM ..	
6797	197 001 198 002, .. 003, .. 004, .. 005, .. 006, .. 007. 198 102 199 006, .. 008, .. 011, .. 013, .. 014, .. 021, .. 022, .. 023, .. 024, .. 025, .. 026
6798	081 001, .. 003 083 001

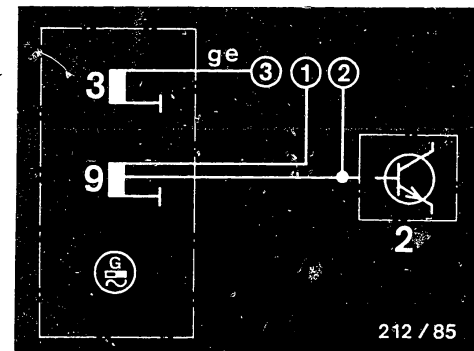


4. Test specifications

Part number		Circuit diagram, see	Ignition part	Generator part		
Type code	Ignition armature Ω		Gen. armature Ω	Voltage V	Test load W	Engine speed min^{-1}
0 212 ..						
081 001 ETVG 108 12 V 50 W	u.	0.7...0.85	2.4...3.0	9.0...10.0	1)	6000
081 003 ETVG 106	u.	0.7...0.85	2.4...3.0	9.0...10.0	1)	6000
083 001 ETIG 100 12 V 45 W	l.	0.7...0.85	2.4...3.0	9.0...10.0	1)	6000
183 001 ETI 114 G 12 V 60 W	l.	0.7...0.85	2.4...3.0	10.5...11.5	2)	6000

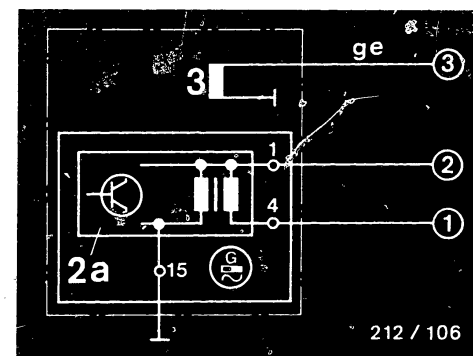
- 1) Load resistance 3 Ω .
2) Generator armature measured at 2.9 Ω

u = upper
l = lower



2 = Trigger box
2a = Integrated trigger box
3 = Generator armature
9 = Ignition armature

(1) = To spark plug
(2) = To short-circuiting device
(3) = To rectifier. To loads when operating without rectifier.
ge = yellow



A5

Test specifications
Breakerless magneto generators



A6

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part 6)		Generator part 6)				Voltage V	Test load W	Engine speed min-1
		sc Ω	ca Ω	m1 1) Ω	t1 2) Ω	s1 3) Ω	ts 4) Ω			
0 212 ..										
195 001 RDPK1 6V20/10/11/	5)	260	730	1.3	-	1.6	0.9	7.7...8.7 7.6...8.6 6.5...7.5	20 10 11	6000
195 007 RDPK1 6V16/4/10/11W	5)	260	730	1.3	0.3	1.6	0.9	6.5...7.5 6.2...7.2 6.7...7.7 6.7...7.7	16 4 10 11	6000 6000 6000 2000

sc = Storage-capacitor-charging armature

ca = Control armature

m1 = Main-light armature

s1 = Stop-lamp armature

ts = Turn-signal armature

t1 = Tail-lamp armature

1) Main light (tail lamp loaded, s1 + ts non-loaded)

2) Tail lamp (m1 - loaded, s1 + ts non-loaded)

3) Stop lamp (remaining generator armatures non-loaded)

4) Turn signal (remaining generator armatures non-loaded)

5) See Coordinate A 9

6) $\Omega \pm 10\%$

A7

Test specifications

Breakerless magneto generators

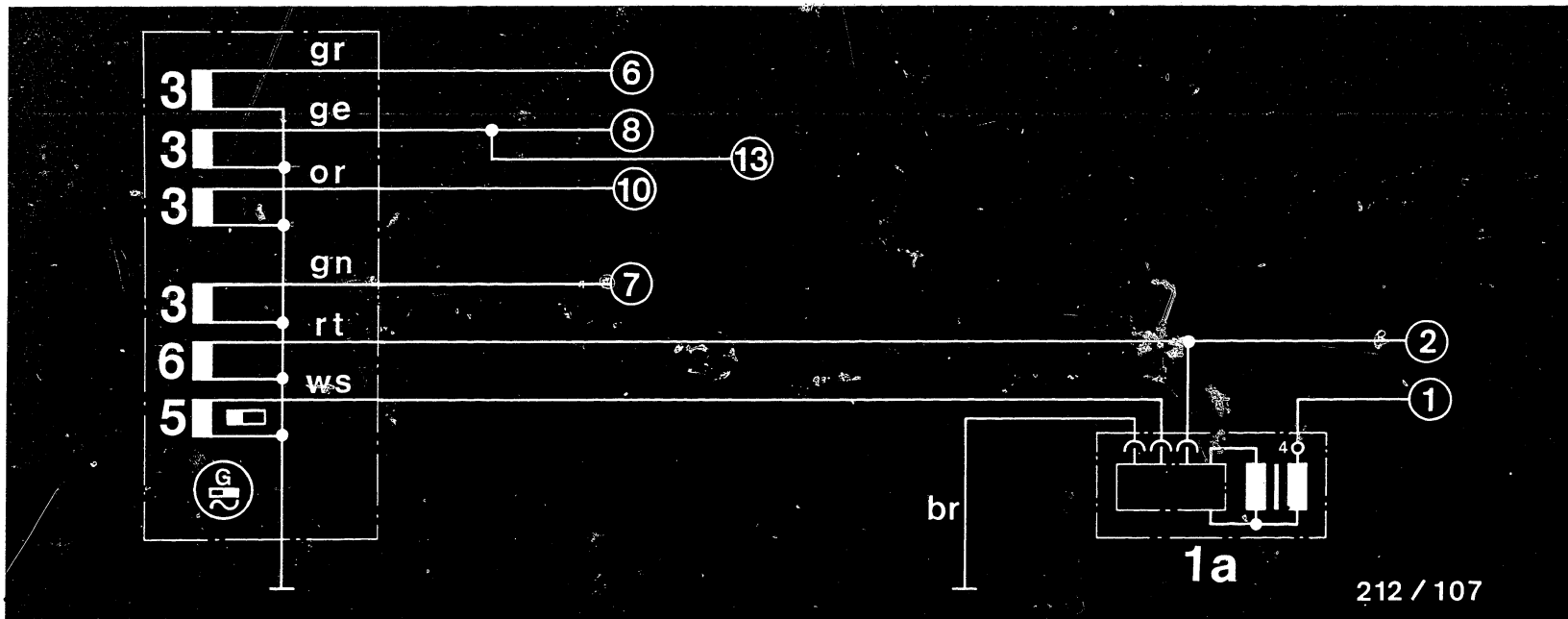


A8

Test specifications

Breakerless magneto generators





Circuit diagram for breakerless magneto generators 0 212 195 001/.. 007

- 1a = Ignition coil with integrated electronics
- 3 = Generator armature
- 5 = Control armature
- 6 = Storage-capacitor-charging armature
- (1) = Spark plug
- (2) = To short-circuiting device
- (6) = To tail lamp
- (7) = To stop lamp
- (8) = To headlamp
- (10) = To turn signal
- (13) = To indicator lamp

- ge = yellow
- gn = green
- gr = gray
- or = orange
- rt = red
- ws = white
- br = brown

A9

Test specifications
Breakerless magneto generators

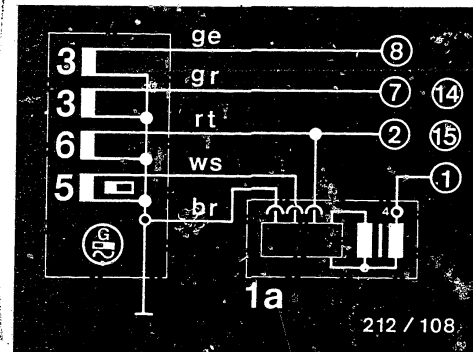


A10

Test specifications
Breakerless magneto generators



Part number		Ignition part	Generator part					Test load	Engine speed
Type code	Circuit diagram,	Storage-cap. - charging armature	Control armature	Gen. armature	Gen. arm. sl,tl	Voltage			
0 212 ..	see	Ω	Ω	Ω	Ω	V	W	V-1	
195 005 RDP1 6V35-7V3A23	u.	230...290	670...790	1.0...1.6	-	6.8...7.8	35	6000	



- 1a = Ignition coil with integrated electronics
 3 = Generator armature
 5 = Control armature
 6 = Storage-capacitor-charging armature
 (1) = To spark plug
 (2) = To short-circuiting device
 (7) = To stop lamp
 (8) = To main light
 (14) = To regulator
 (15) = To tachometer
 br = brown rt = red
 ge = yellow ws = white
 gr = green

M1 = Main light, S1 = Stop lamp, T1 = Tail lamp, Rg = Regulator
 u = upper

A11

Test specifications

Breakerless magneto generators



A12

Test specifications

Breakerless magneto generators



Part number		Ignition part			Generator part		
Type code	Circuit diagram, see	Storage-cap.-charging arm.	Gen. armature	Control armature	Voltage	Test load	Engine speed
0 212 ..		Ω	Ω	Ω	V	W	min ⁻¹
196 001 RCPK 331 - 12V70W	1)	450...550	1.9...2.3	210...230	-	-	6000

1) see Coordinate A15/A16

A13

Test specifications

Breakerless magneto generators

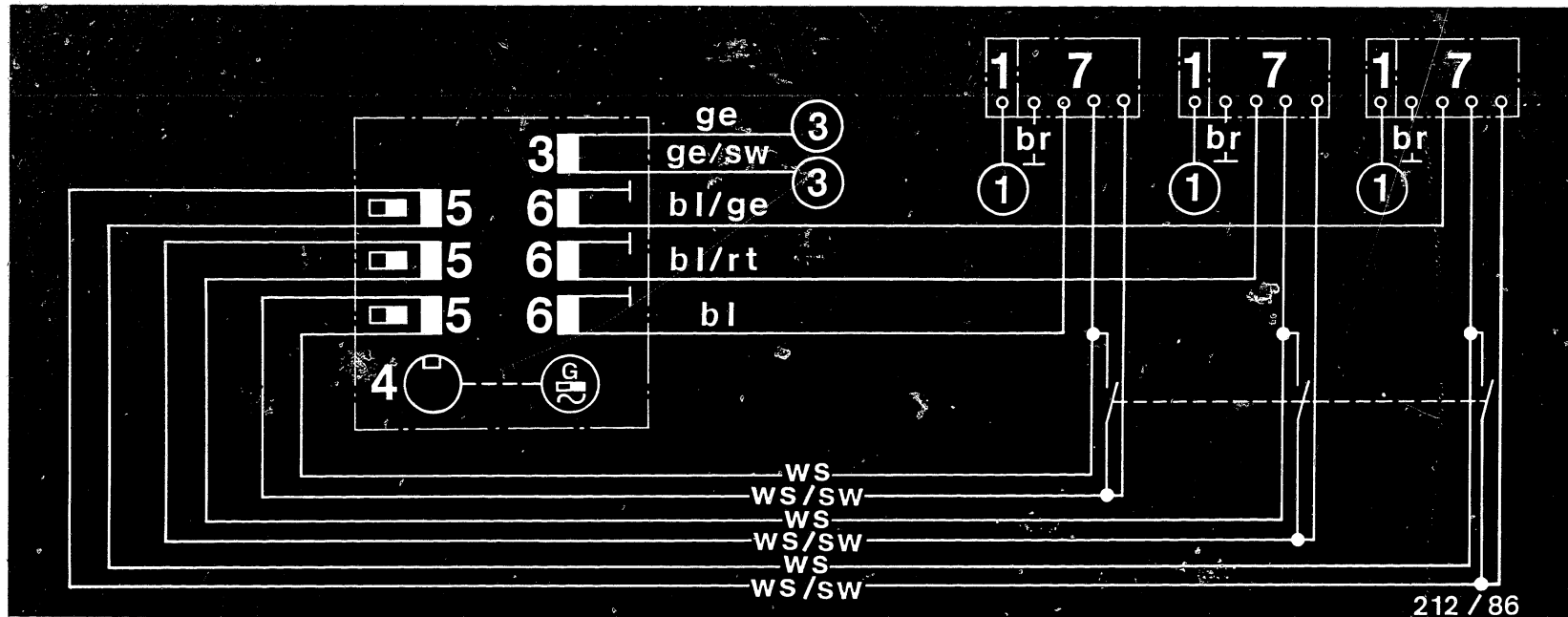


A14

Test specifications

Breakerless magneto generators





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Circuit diagram for breakerless magneto generator 0 212 196 001

1 = Ignition coil
 3 = Generator armature
 4 = Trigger projection
 6 = Storage-capacitor-storage armature
 7 = Electronic box
 9 = Ignition armature

(1) = To spark plug
 (2) = To short-circuiting device
 (3) = To rectifier. To loads when operating without rectifier

bl = blue
 br = brown
 ge = yellow
 rt = red
 sw = black
 ws = white

A15

Test specifications

Breakerless magneto generators



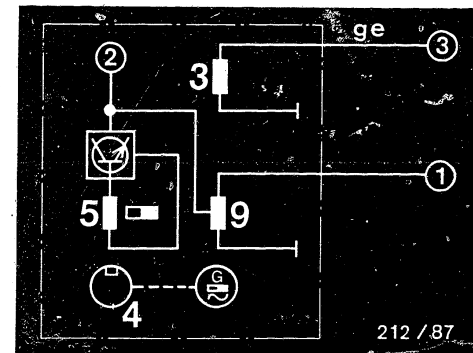
A16

Test specifications

Breakerless magneto generators



Part number		Ignition part		Generator part			
Type code	Circuit diagram, see	Ignition armature	Gen. armature	Control armature	Voltage	Test load	Engine speed
0 212 ..		Ω	Ω	Ω	V	W	min-1
197 001 RDT1-6V18W	u.	1.8...2.2	0.4...0.45	approx. 80	-	18	6000



- 3 = Generator armature
 4 = Trigger projection
 5 = Control armature
 9 = Ignition armature

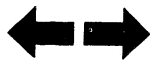
- (1) = To spark plug
 (2) = To short-circuiting device
 (3) = To rectifier. To loads when operating without rectifier
 ge = yellow rt = red
 sw = black ws = white

u = upper

A17

Test specifications

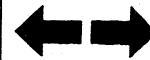
Breakerless magneto generators



A18

Test specifications

Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm.	Ignition armature	Control armature	Voltage	Test load	Engine speed
0 212 ..		Ω	Ω	Ω	V	W	min-1
197 102 RCPK 221 - 12V130W	1)	450...550	-	59...67	13...15	130	6000
197 103 RCPK221 - 12V130W	1)	450...550	-	210...230	13...15	130	6000

1) see Coordinate A21/A22

A19

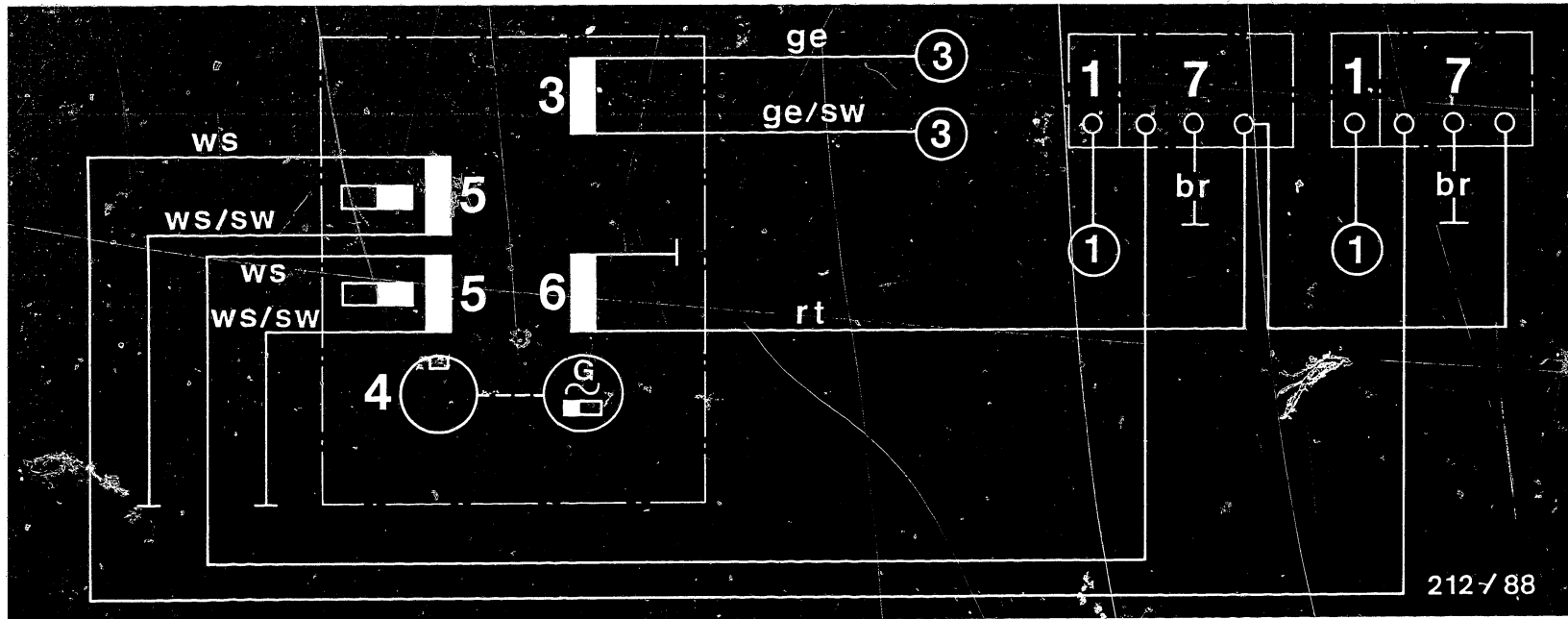
Test specifications
Breakerless magneto generators



A20

Test specifications
Breakerless magneto generators





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Circuit diagram for breakerless magneto generators 0 212 197 102/ .. 103

- | | | |
|---|---|-------------|
| 1 = Ignition coil | (1) = To spark plug | br = brown |
| 3 = Generator armature | (2) = To short-circuiting device | ge = yellow |
| 4 = Trigger protection | (3) = To rectifier. To loads when operating without rectifier | sw = black |
| 5 = Control armature | | ws = white |
| 6 = Storage-capacitor-charging armature | | |
| 7 = Electronic box | | |
| 9 = Ignition armature | | |

A21 Test specifications
Breakerless magneto generators

A22 Test specifications
Breakerless magneto generators

Part number	Circuit diagram	Ignition part		Generator part			Engine speed
		Storage-cap.-charging armature	Gen. armature	Control armature	Voltage	Test load	
Type code	see	Ω	Ω	Ω	V	min ⁻¹	
0 212 ..	see						
198 002 RDPK1 - 6V35/30W	u.	450...550	0.7...1.0	59...67	6.4...7.4 5.7...6.7	35 30	6000
198 003 RDPK1 - 6V35/30W	u.	450...550	0.7...1.0	59...67	6.4...7.4 5.7...6.7	35 30	6000
198 004 RDPK1 - 6V35/30W	u.	450...550	0.7...1.0	59...67	6.4...7.4 5.7...6.7	35 30	6000
198 005 RDPK1 - 12V60W	l.	450...550	1.9...2.3	59...67	13...15	60	6000
198 006 RDPK1 - 6V35/30W	u.	450...550	0.7...1.0	59...67	6.4...7.4 5.7...6.7	35 30	6000
198 007 RDPK1 - 6V35/30W	u.	450...550	0.7...1.0	59...67	6.4...7.4 5.7...6.7	35 30	6000

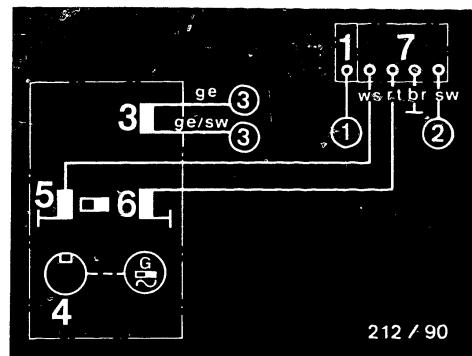
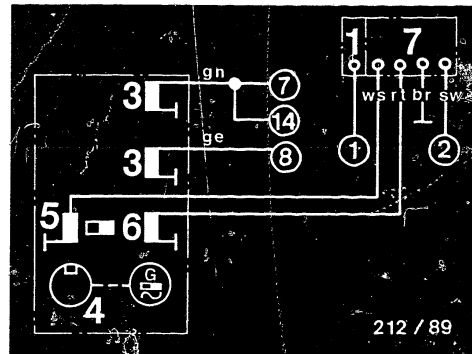
Legend:

- 1 = Ignition coil
- 3 = Generator armature
- 4 = Trigger protection
- 5 = Control armature
- 6 = Storage-cap.-charging armature
- 7 = Electronic box

- (1) = To spark plug
- (2) = To short-circuiting device
- (7) = To stop lamp
- (8) = To headlamp
- (14) = To regulator

- br = brown
- ge = yellow
- gn = green
- rt = red
- ws = white
- sw = black

u = upper
l = lower



A23

Test specifications
Breakerless magneto generators

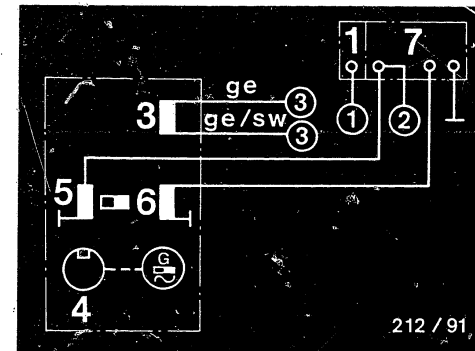


A24

Test specifications
Breakerless magneto generators



Part number	Circuit diagram,	Ignition part	Generator part				
		Storage-cap.-charging armature	Gen. armature	Control armature	Voltage	Test load	Engine speed
0 212 ..	see	Ω	Ω	Ω	V	W	min-1
198 101 RCPK1 - 12V130W	u.	450...550	0.7...1.0	59...67	13...15	130	6000
198 102 RCPK1 - 12V130W	u.	450...550	0.7...1.0	59...67	13...15	130	6000
198 103 RDPK1 - 6V35/30W	l. 1)	450...550	1.9...2.3	59...67	13...15	75 50	6000

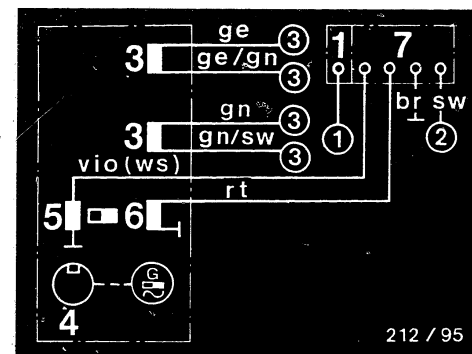


Legends:

- 1 = Ignition coil
- 3 = Generator armature
- 4 = Trigger protection
- 5 = Control armature
- 6 = Storage-cap.-charging armature
- 7 = Electronic box

- (1) = To spark plug
- (2) = To short-circuiting device
- (3) = To rectifier, to loads when operating without rectifier

- br = brown
- ge = yellow
- gn = green
- rt = red
- sw = black
- vi = violet
- ws = white



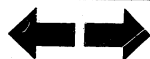
1) Magneto may be operated only with connected regulator or with short-circuited generator.

u. = upper, l. = lower

B1

Test specifications

Breakerless magneto generators



B2

Test specifications

Breakerless magneto generators

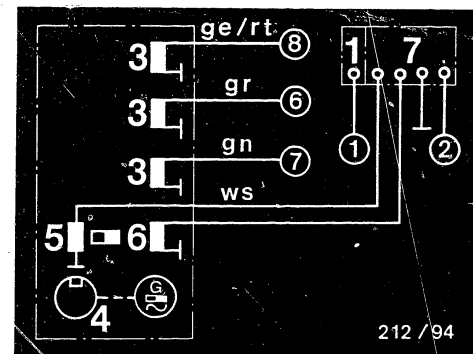


Part number	Circuit diagram, see	Ignition part		Generator part 1)						
		sc Ω	ca Ω	m1 Ω	t1 Ω	s1 Ω	Voltage V	Test load W	Engine speed min-1	
199 005 RCPK1 - 6V35-5/18W	u.	950... 1300	60... 80	0.3	9.3	1.2	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000	
199 006 RCPK1 - 6V35-5/18W	u.	950... 1300	60... 80	0.3	9.3	1.2	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000	
199 008 RCPK1 - 1 6V35-5/18W	u.	950... 1300	60... 80	0.3	9.3	1.2	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000	
199 011 RCPK1 6V35-5/18W	u.	950... 1300	60... 80	0.3	9.3	1.2	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000	
199 013 RCPK1 - 6V35-5/18W	u.	450... 550	60... 80	0.3	9.3	1.2	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000	

sc = Storage-capacitor-charging armature
sa = Control armature
m1 = Main-light armature
t1 = Tail-lamp armature
s1 = Stop-lamp armature

1) =Ω ± 10%

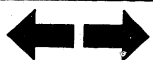
u. = upper



- 1 = Ignition coil
2 = Generator armature
4 = Trigger protection
5 = Control armature
6 = Storage-cap.-charging armature
7 = Electronic box
- (1) = To spark plug
(2) = To short-circuiting device
(3) = To rectifier
(6) = To tail lamp
(7) = To stop lamp
(8) = To headlamp
- br = brown gn = green
ge = yellow rt = red
gr = green

B3

Test specifications
Breakerless magneto generators



B4

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part		Generator part 1)						
		sc	ca	m1	t1	s1	Voltage	Test load	Engine speed	
Type code		Ω	Ω	Ω	Ω	Ω	V	W	min-1	
0 212 ..										
199 007 RCPK1 - 12V55W	u.	450... 550	60... 80	0.9	-	-	2)	-	6000	

sc = Storage-capacitor-charging armature

ca = Control armature

m1 = Main-light armature

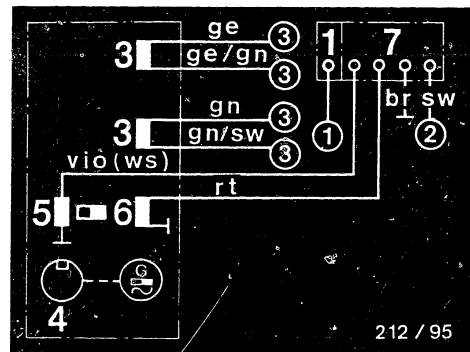
t1 = Tail-lamp armature

s1 = Stop-lamp armature

1) $=\Omega \pm 10\%$

2) Load via bridge rectifier and battery, battery charging current between 3 and 4 A direct current

u. = upper



- 1 = Ignition coil
- 3 = Generator armature
- 4 = Trigger projection
- 5 = Control armature
- 6 = Storage-cap.-charging armature
- 7 = Electronic box

- (1) = To spark plug
- (2) = To short-circuiting device
- (3) = To rectifier
- br = brown sw = black
- ge = yellow vto = violet
- gn = green ws = white
- rt = red

B5

Test specifications
Breakerless magneto generators

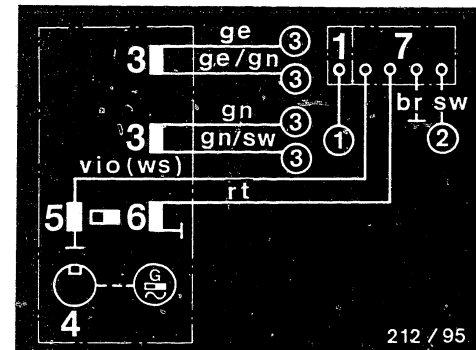


B6

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part		Generator part 1)				
		sc Ω	ca Ω	ga 40W Ω	ga 15W Ω	Voltage V	Test load W	Engine speed min-1
0 212 ..								
199 014 RCPK1 - 12V55W	u.	450... 550	60... 80	0.9	7.6	2)	-	6000
199 018 RCPK1 - 12V55W	u.	450... 550	60... 80	0.9	7.6	2)	-	6000
199 019 RCPK1 - 12V55W	u.	450... 550	60... 80	0.9	7.6	2)	-	6000



- 1 = Ignition coil
3 = Generator armature
4 = Trigger projection
5 = Control armature
6 = Storage-cap.-charging armature
7 = Electronic box

- (1) = To spark plug
(2) = To short-circuiting device
(3) = To rectifier
br = brown vio = violet
ge = yellow sw = black
gn = green ws = white

sc = Storage-capacitor-charging armature
ca = Control armature
ga = Generator armature

1) = $\Omega \pm 10\%$

2) Loading via bridge rectifier and battery, battery charging current between 3 and 4 A direct current

m1 - Characteristic curve/t1-loaded
t1 - Characteristic curve/m1-loaded

u. = upper

B7

Test specifications
Breakerless magneto generators

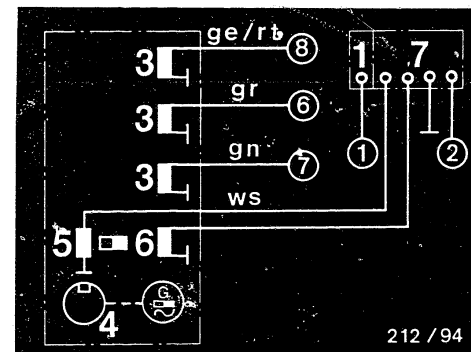


B8

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part		Generator part 1)			Voltage V	Test load W	Engine speed min-1
		sc	ca	m1	t1	s1			
Type code		Ω	Ω	Ω	Ω	Ω			
199 021 RCPK1 - 6V35-5/18W	u. 2)	450... 550	60... 80	0.3	9.3	1.15	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000
199 022 RCPK1 - 6V35-5/18W	u.	450... 550	60... 80	0.3	9.3	1.15	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000
199 023 RCPK1 - 6V35-5/18W	u.	450... 550	60... 80	0.3	9.3	1.15	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000
199 024 RCPK1 - 6V35-5/18W	u.	450... 550	60... 80	0.3	9.3	1.15	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000
199 025 RCPK1 - 6V35-5/18W	u.	450... 550	60... 80	0.3	9.3	1.15	6.5...7.5 6.7...7.7 5.8...6.8	35 5 18	6000
199 026 RCPK1 - 6V25-5/19W	u. 2)	450... 550	60... 80	-	-	-	6.5...7.5 6.7...7.7 5.8...6.8	25 5 19	6000



- 1 = Ignition coil
3 = Generator armature
4 = Trigger projection
5 = Control armature
6 = Storage-cap.-charging armature
7 = Electronic box

- (1) = To spark plug
(2) = To disconnecter
(3) = To rectifier
(6) = To tail lamp
(7) = To stop lamp
(8) = To headlamp
br = brown gn = green
ge = yellow rt = red
gr = gray ws = white

sc = Storage-capacitor-charging armature
ca = Control armature
m1 = Main-light armature
t1 = Tail-lamp armature
s1 = Stop-lamp armature

- 1) $\Omega \pm 10\%$
2) m1 - characteristic curve/t1-loaded
t1 - characteristic curve/m1-loaded

u. = upper

B9

Test specifications
Breakerless magneto generators



B10

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm.	Gen. armature	Control armature	Voltage	Test load	Engine speed
0 212 ..		Ω	Ω	Ω	V	W	min-1
485 001 SCP-BT - 12V150W	1)	-	-	60...80	2)	-	4000

1) See Coordinate B13/B14

2) Rectifier bridge or DC regulator 0 212 920 001 with disconnected closed loop (terminal 2 not assigned) direct current or battery charge 10...11A not regulated.

B11

Test specifications

Breakerless magneto generators

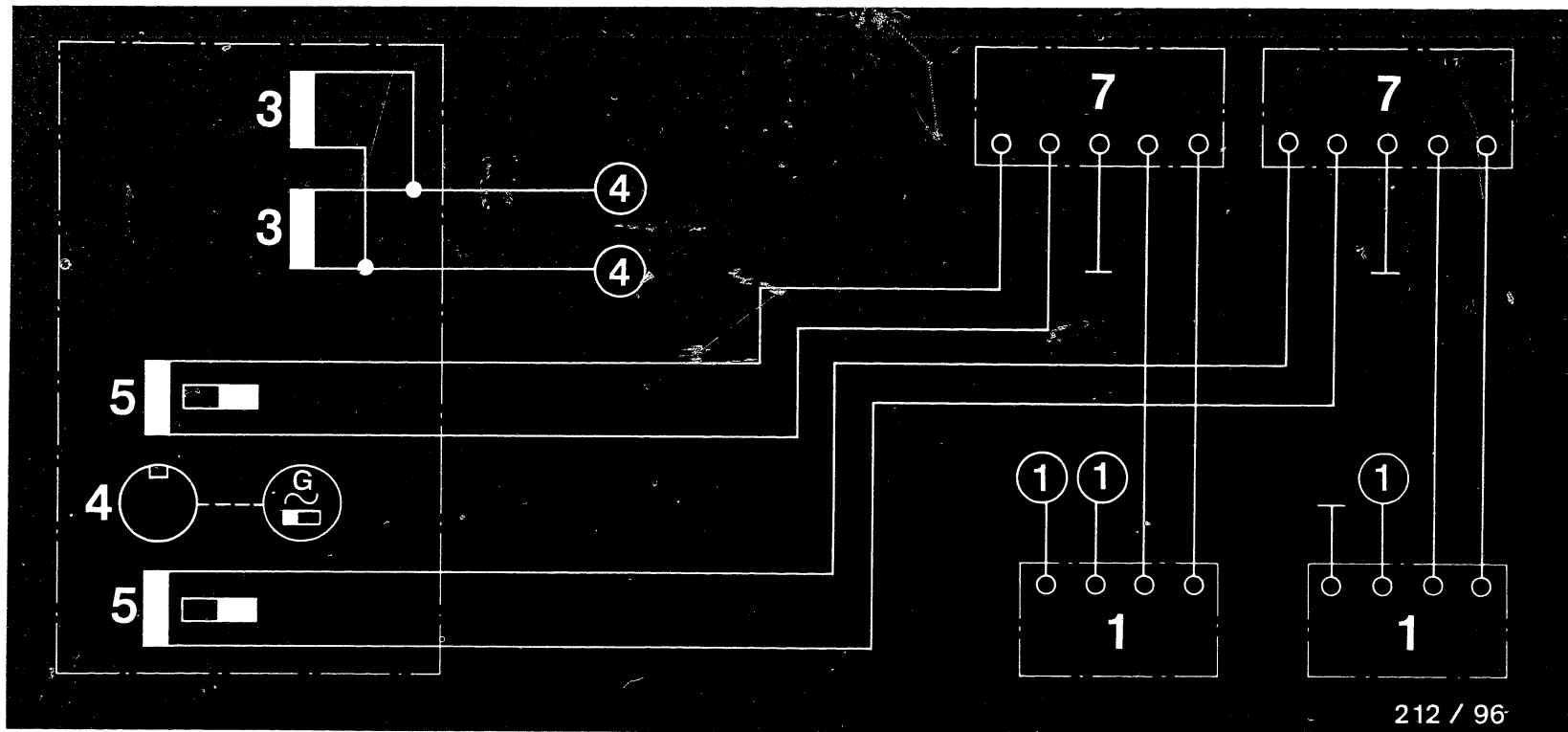


B12

Test specifications

Breakerless magneto generators





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Circuit diagram for breakerless magneto generator 0 212 485 001

- | | |
|---|---------------------|
| 1 = Ignition coil | (1) = To spark plug |
| 2 = Trigger box | (4) = To rectifier. |
| 3 = Generator armature | Isolate leads when |
| 4 = Trigger protection | operating without |
| 5 = Control armature | rectifier. |
| 6 = Storage-capacitor-charging armature | |
| 7 = Electronic box | |

B 13

Test specifications
Breakerless magneto generators

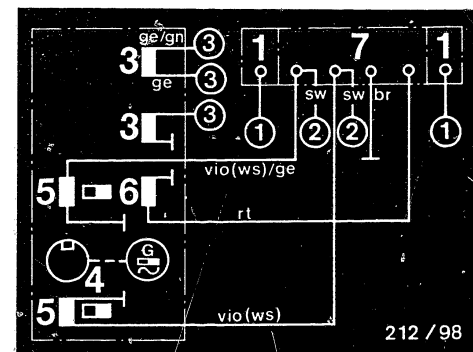


B 14

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm.	Gen. armature	Control armature	Voltage	Test load	Engine speed
0 212 ..		Ω	Ω	Ω	V	W	min-1
498 005 SCP221 - 12V75/23W	u.	300...400	-	50...80	13.0...14.0	75	4000
498 007 SCP221 - 12V100W	l.	300...400	-	50...80	13.0...14.0	100	4000



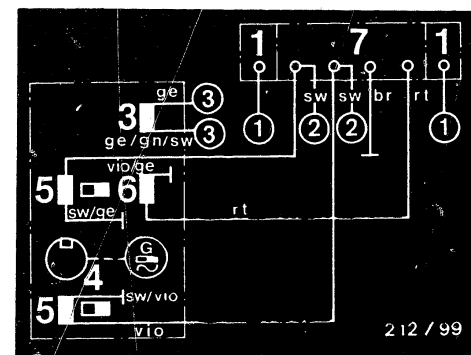
Legends:

- 1 = Ignition coil
- 2 = Generator armature
- 4 = Trigger protection
- 5 = Control armature
- 6 = Storage-cap.-charging arm.
- 7 = Electronic box

- (1) = To spark plug
- (2) = To short-circuiting device
- (3) = To rectifier. To loads when operating without rectifier

- br = brown
- ge = yellow
- gn = green
- rt = red
- sw = black
- vio = violet
- ws = white

u. = upper
l. = lower



B15

Test specifications

Breakerless magneto generators



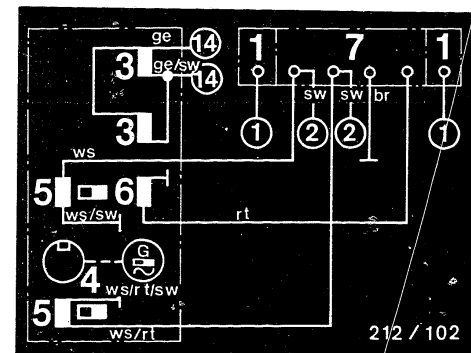
B16

Test specifications

Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm. Ω	Gen. armature Ω	Control armature Ω	Voltage V	Test load W	Engine speed min-1
0 212 ..							
498 011 SCPK221 - 12V140W	u.	300...400	-	50...80	-	-	4000
498 012 SCPK221 - 12V75W	l.	300...400	0.43...0.53	60...80	13.5...14.5	75	4000



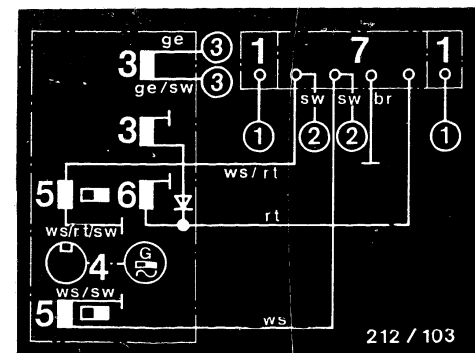
Legends:

- 1 = Ignition coil
- 2 = Generator armature
- 4 = Trigger protection
- 5 = Control armature
- 6 = Storage-cap.-charging arm.
- 7 = Electronic box

- (3) = To rectifier. To loads when operating without rectifier
- (1) = To spark plug
- (2) = To short-circuiting device
- (14) = To regulator

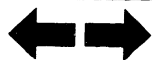
- br = brown
- ge = yellow
- rt = red
- sw = black
- ws = white

u. = upper, l. = lower



B17

Test specifications
Breakerless magneto generators

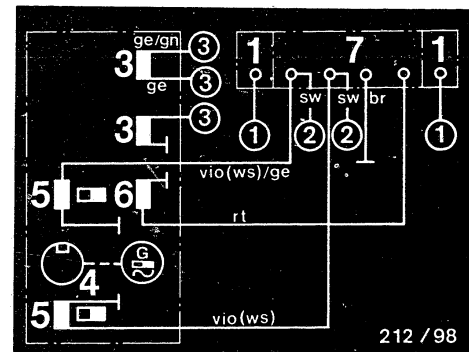


B18

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm.	Gen. armature	Control armature	Voltage	Test load	Engine speed
0 212 ..		Ω	Ω	Ω	V	W	min-1
498 013 1) SCP221 - 12V140W	u.	300...400	0.2...0.26 2.0...2.50 2)	60...80	11.5...12.5	100	4000
498 014 1) SCP221 - 12V140W	1.	300...360	0.2...0.26 2.0...2.50 2)	50...80	11.5...12.5	100	4000



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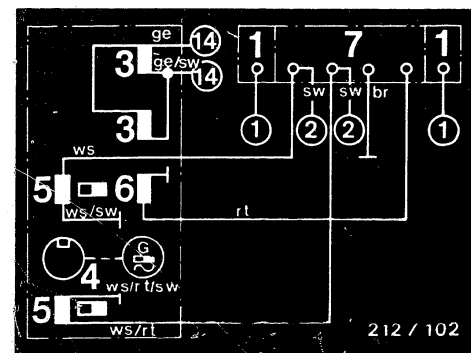
Legends:

1 = Ignition coil
 2 = Generator armature
 4 = Trigger projection
 5 = Control armature
 6 = Storage-cap.-charging arm.
 7 = Electronic box

(1) = To spark plug
 (2) = To short-circuiting device
 (3) = To regulator

br = brown
 ge = yellow
 gn = green
 rt = red
 sw = black
 vio = violet
 ws = white

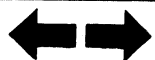
1) System suitable only for operation with regulator
 2) Auxiliary generator armature
 u. = upper, 1. = lower



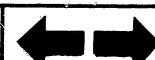
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B19

Test specifications
 Breakerless magneto generators.

**B20**

Test specifications
 Breakerless magneto generators

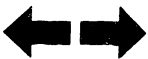


Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm. Ω	Gen. armature Ω	Control armature Ω	Voltage V	Test load W	Engine speed min-1
0 212 ..							
498 015 SCP221 - 12V75W	1)	500...600	0.43...0.53	60...80	13...14	75	4000
498 016 SCP221 - 12V75W	1)	500...600	0.43...0.53	60...80	13...14	75	4000

1) See Coordinate B23/B24

B21

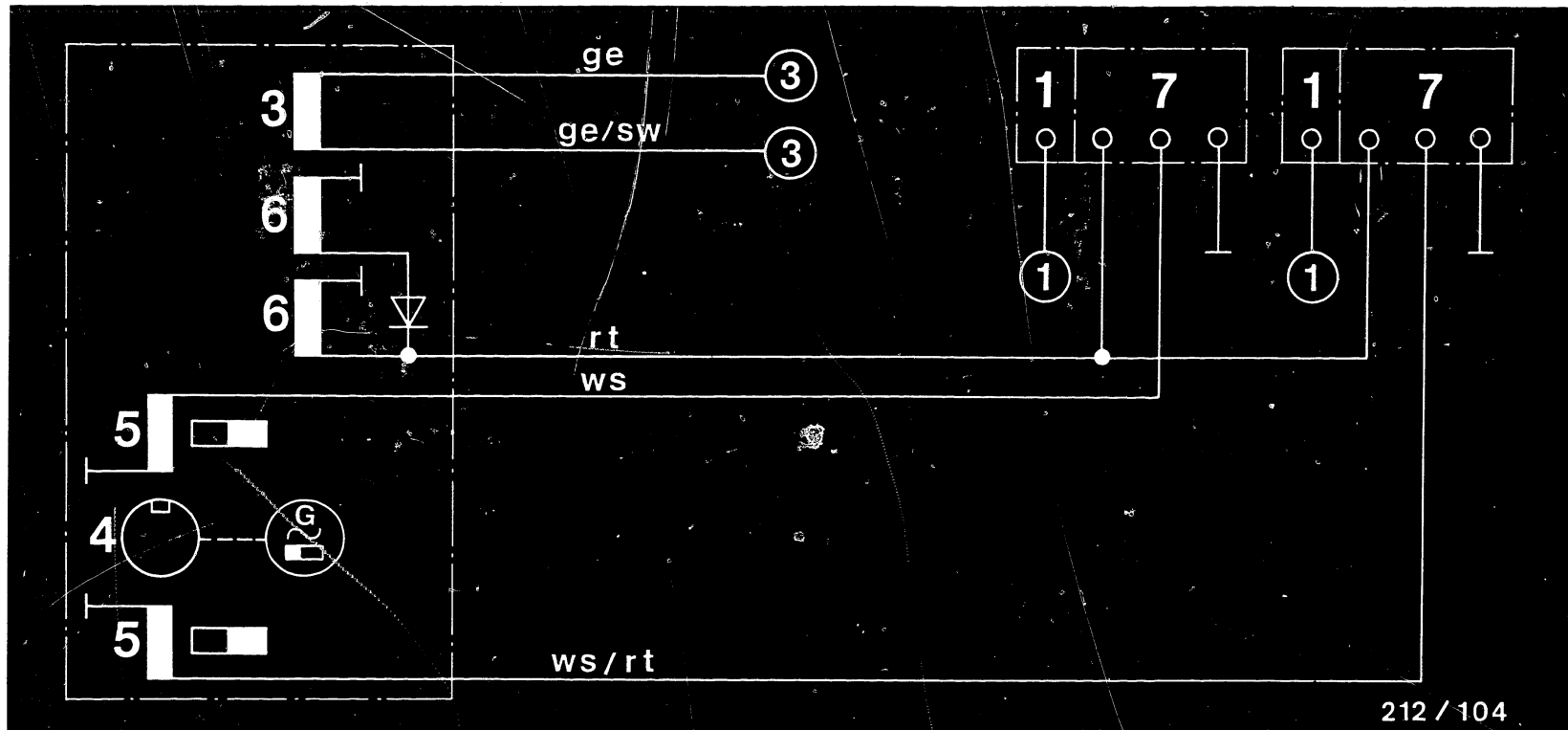
Test specifications
Breakerless magneto generators



B22

Test specifications
Breakerless magneto generators





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Circuit diagram for breakerless magneto generators 0 212 498 015, .. 016

- | | | |
|------------------------------------|----------------------------------|-------------|
| 1 = Ignition coil | (1) = To spark plugs | ge = yellow |
| 2 = Trigger box | (2) = To short-circuiting device | rt = red |
| 3 = Generator armature | (3) = To rectifier | sw = black |
| 4 = Trigger projection | | ws = white |
| 5 = Control armature | | |
| 6 = Storage-cap.-charging armature | | |
| 7 = Electronic box | | |

B23

Test specifications
Breakerless magneto generators

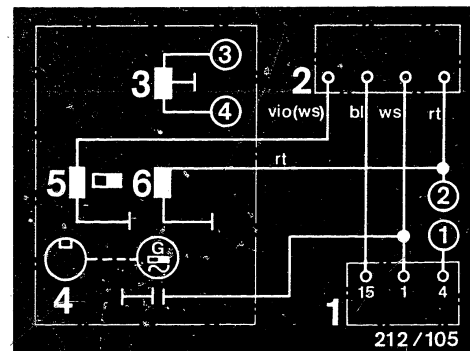


B24

Test specifications
Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm. Ω	Gen. armature Ω	Control armature Ω	Voltage V	Test load W	Engine speed min-1
0 212 ..							
499 002 SCPK221 - 12V75W	u.	300...400	0.43...0.53	50...80	13.5...14.5	75	4000
499 003 SCPK221 - 12V75W	u.	300...400	0.43...0.53	50...80	13.5...14.5	75	4000



- 1 = Ignition coil
- 2 = Trigger box
- 3 = Generator armature
- 4 = Trigger projection
- 5 = Control armature
- 6 = Storage-cap.-charging armature
- 7 = Electronic box

- (1) = To spark plug
- (2) = To short-circuiting device
- (3) = To rectifier. To loads when operating without rectifier.
- (4) = To rectifier. Isolate leads when operating without rectifier.

bl = blue sw = black
 ge = yellow vio = violet
 rt = red ws = white

u. = upper

G1

Test specifications
 Breakerless magneto generators

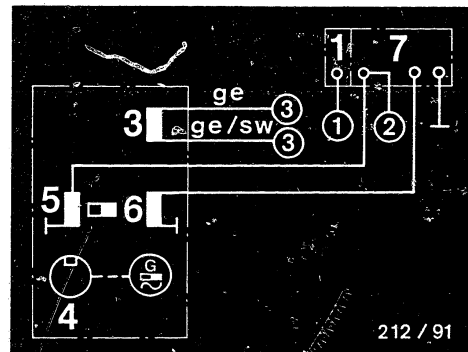


G2

Test specifications
 Breakerless magneto generators



Part number	Circuit diagram, see	Ignition part			Generator part		
		Storage-cap.-charging arm.	Gen. armature	Control armature	Voltage	Test load	Engine speed
0 212 ..		Ω	Ω	Ω	V	W	min-1
499 004 SCPk1 - 12V100W	u.	300...400	0.2...0.25	210...230	12...13.0	100	4000



- 1 = Ignition coil
- 2 = Generator armature
- 4 = Trigger projection
- 5 = Control armature
- 6 = Storage-cap.-charging armature
- 7 = Electronic box

- (1) = To spark plug
- (2) = To short-circuiting device
- (3) = To rectifier. To loads when operating without rectifier.

ge = yellow
sw = black

u. = upper

C3

Test specifications
Breakerless magneto generators



C4

Test specifications
Breakerless magneto generators



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© 1986 Robert Bosch GmbH Automotive Equipment -
After-Sales Service, Department for Technical
Publications KH/VDT, Postfach 50, D-7000 Stuttgart 1.

Published by: After-Sales Service Department for
Training and Technology (KH/VSK). Press date: 1.1986

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Microfilmed in the Federal Republic of Germany.
Microphotographié en République Fédérale d'Allemagne.

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